

Quizzes: Process out of 17

Scores: Pick a number in $[4, 14]$

there was at least 1 guy
with that score.


$$\sqrt{9} = 3$$

||||

me
Dr Pappenhagen
Mrs. Ralph

+3

~~X~~ |||

Mrs Shen ~
Mr. Reiss.



$\sqrt{9}$

$$\sqrt{9} = +3$$

$$x^2 = 9$$

$$x = +3, -3$$

$$\underline{12)} \quad \left(\sqrt[3]{x^2 - 1} \right)^3 = (2)^3$$

$$x^2 - 1 = 8$$

$$x^2 = 9$$

$$x = +3 \text{ or } x = -3$$

① $f(x) = x^2 - \sqrt{x+2} + 4$ $-q^2 = -81$

what is domain?

all real numbers

$(-9)^2 = 81$

$-(9^2)$

$x+2 \geq 0$

$x \geq -2 \quad [-2, \infty)$

check domain for:

- $\sqrt{\text{negative \#s}}$

- divide by ZERO

①

$$f(x) = x^2 - \sqrt{x+2} + 4$$

$$f(\sqrt{2}) = (\sqrt{2})^2 - \sqrt{\sqrt{2}+2} + 4$$

$$= 2 - \sqrt{\sqrt{2}+2} + 4$$

$$= 6 - \sqrt{\sqrt{2}+2}$$

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